## 高级数据结构和算法分析 Advanced Data Structures and Algorithm Analysis

主讲教师: 丁尧相

**Instructor: Yao-Xiang Ding** 

E-mail: <a href="mailto:yxding@zju.edu.cn">yxding@zju.edu.cn</a>

Homepage: <a href="https://yaoxiangding.github.io">https://yaoxiangding.github.io</a>

Course website (with slides and reading materials):

<a href="https://yaoxiangding.github.io/ADS-2024">https://yaoxiangding.github.io/ADS-2024</a>

Courseware and homework sets can be downloaded from <a href="https://pintia.cn/">https://pintia.cn/</a>

#### 基本信息:

#### **Lecture Time:**

Monday 6-8 (every week), 紫金港西1-408 Monday 9-10 (lab, every week), 紫金港机房

Teacher: 丁尧相 Yao-Xiang Ding

Office: 519 Meng Minwei Building, Zijingang Campus

E-Mail: yxding@zju.edu.cn

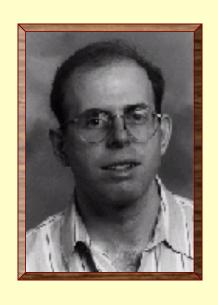
Office hours: Wednesday 15:00-17:00

(Please make appointment on Ding Ding or E-Mail. For unexpected visits, I have to aplogize for the possible absence.)

TA: 秦子昂 Ziang Qin

E-Mail: qinziang-zju @ 163.com

### 型教材 (Text Book)





# Data Structures and Algorithm Analysis in C

(2nd Edition)

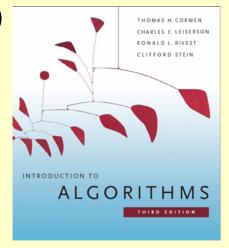
Mark Allen Weiss

陈 越 改编

Email: weiss@fiu.edu

#### □ 教材 (Text

Book)

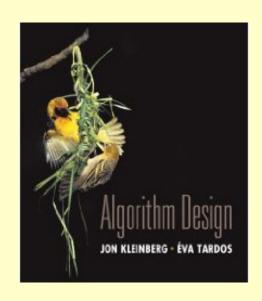


## Introduction to Algorithms

(3rd Edition)
Thomas H. Cormen, Charles E.
Leiserson, Ronald L. Rivest and
Clifford Stein
The MIT Press. 2009

#### **Algorithm Design**

Jon Kleinberg, Eva Tardos Addison Wesley, 2005



#### □ 参考书目 (Reference)

> 数据结构课程设计

何钦铭、冯雁、陈越 著 浙江大学出版社

> 数据结构与算法分析(C语言

## 版)

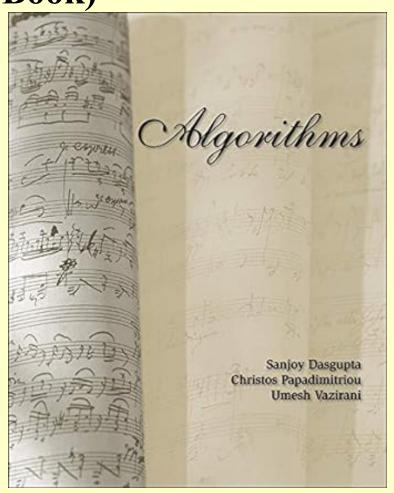
魏宝刚、陈越、王申康 编著 浙江大学出版社

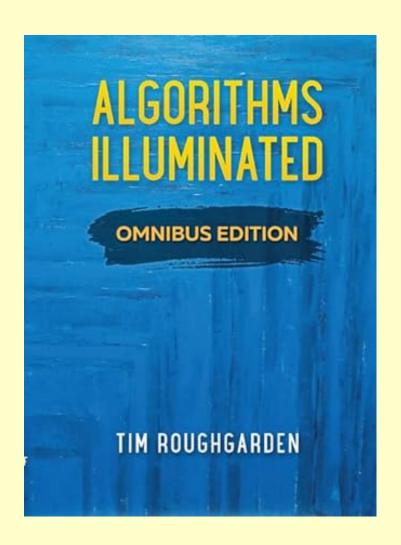
> 数据结构学习与实验指导

陈越、何钦铭、徐镜春、魏宝刚、杨枨 编著 高等教育出版社

## □ 参考书目 (Reference

Book)





### 课程评分方法 (Grading Policies)

Homework (10)



Discussions (10)

Research Project +Peer Review (30)



MidTerm (10\*)

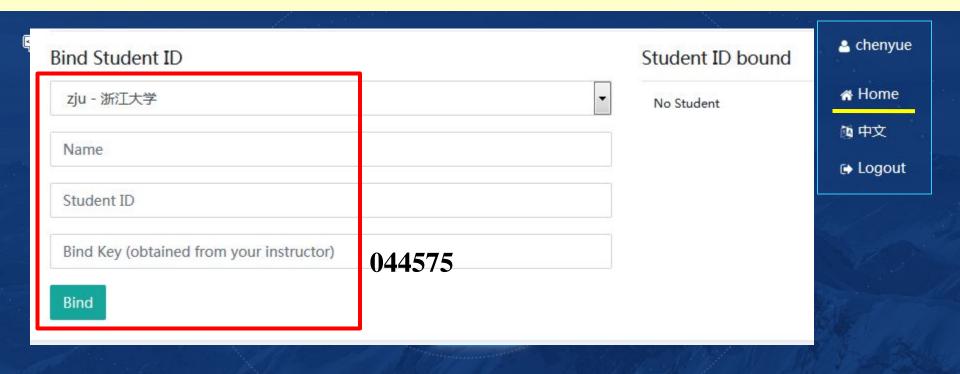
 $Total \leq 60$ 



Final Exam (40\*)

#### **Homework Assignments (10)**

- Register and login at <a href="https://pintia.cn/">https://pintia.cn/</a>
- **■** Bind your student ID with bind key
- **Enter**



### 诚信守则

## (Code of Academic Honesty)

One must get a full mark to be eligible to take the final exam.

As long as there is one action of academic dishonesty in this semester, one will not be eligible to take the final exam and one's course score will be zero.